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Derwent Title: **Mobile hydraulically operated crane mounted on back of lorry - has safety system which during operation, if loads become too great or too unbalanced for safe operation, limits further movement and displays alarms on control panel**

Original Title: ☒ **NL9401892A: HIJSINRICHTING, VOORZIEN VAN EEN VRACHTWAGEN EN EEN DAAROP BEVESTIGDE HYDRAULISCHE KRAAN.**

Assignee: **HYVA INT INC NV Non-standard company**

Inventor: **None**

Accession/  
Update: **1996-266353 / 199627**

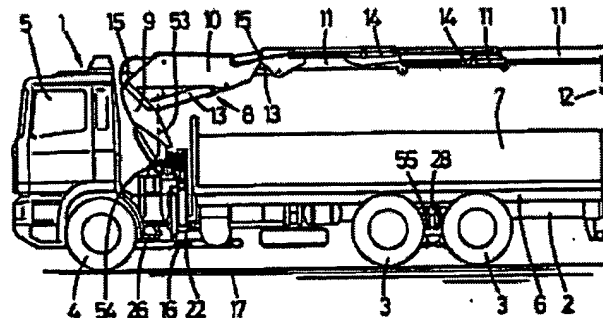
IPC Code: **B60P 3/28 ; B66C 23/36 ; B66C 23/88 ;**

Derwent Classes: **Q15; Q38;**

Derwent Abstract: (NL9401892A) When the vehicle is in the position for operation, hydraulically operated jacks (27) are extended from the sides of the vehicle and lowered to the ground. The jacks lift the vehicle off the ground, so that the crane (8) is supported via a central chassis beam (2), rather than the road wheels. The crane arm (10,11) is extended telescopically and the load supported from an end hook. Hydraulic pressures in the jacking feet systems are measured, as is the load on the frame. An electronic system in the vehicle cab (5) controls the motors and hydraulic pumps. During operation, if the loads become too great or too unbalanced for safe operation, the safety system limits further movement and displays alarms on the control panel.

**Advantage** - Unified protection system for crane and vehicle chassis. Has overload protection system to prevent damage to crane, vehicle or roadway during lifting operations.

Images:



Dwg. 1/7

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code

☒ **NL9401892A** \* 1996-06-03 199627 15 Dutch B60P 3/28

Local appls.: [NL1994000001892](#) Filed:1994-11-14 (94NL-0001892)

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Legal Status:

Priority Number:

Application Number	Filed	Original Title
<a href="#">NL1994000001892</a>	1994-11-14	HIJSINRICHTING, VOORZIEN VAN EEN VRACHTWAGEN EN EEN DAAROP BEVESTIGDE HYDRAULISCHE KRAAN.

Title Terms: MOBILE HYDRAULIC OPERATE CRANE MOUNT BACK LORRY SAFETY SYSTEM OPERATE LOAD UNBALANCE SAFE OPERATE LIMIT MOVEMENT DISPLAY ALARM CONTROL PANEL

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